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## DATABASE ENGINES FOR PROCESSING IDEOGRAPHIC CHARACTERS AND METHODS THEREFOR

By Inventors

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This application is a continuation-in-part of U.S. Patent Application No.

09/857,363 entitled "Text Input For Ideographic And Nonideographic Languages", ib A いかかい かん かん あん filed June 4, 2001, which claims priority from an International Application No.

PCT/US00/00135 entitled "Text Input System For Ideographic And Nonideographic Languages", filed under the Patent Cooperation Treaty on January 4, 2000, which was published under PCT Article 21(2) in English and claims priority from a US Provisional Patent Application No. 60/114,628 entitled "Text Input System For Ideographic And Nonideographic Languages", filed January 4, 1999.

## **BACKGROUND OF THE INVENTION**

The present invention relates in general to computer-implemented systems and techniques for inputting and encoding characters, and in particular to computer-implemented systems for inputting and encoding ideographic characters, such as those used in the Chinese, Korean, or Japanese language.

The English language uses its 26 letter alphabet to construct several hundred thousand words in left to right linear groups of varying lengths and combinations of letters. Each letter is associated with a sound. Ideographic-based languages, such as Chinese, Korean, or Japanese are constructed differently. To simplify the discussion, the Chinese language will be discussed in great detail herein although it should be kept in mind that the discussions, techniques, and systems herein also apply to other ideographic-based languages, such as Korean or Japanese.

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